(Model.)

W. WATLINGTON, Jr.

CLOTHES WASHER.

No. 246,579. Patented Aug. 30, 1881.

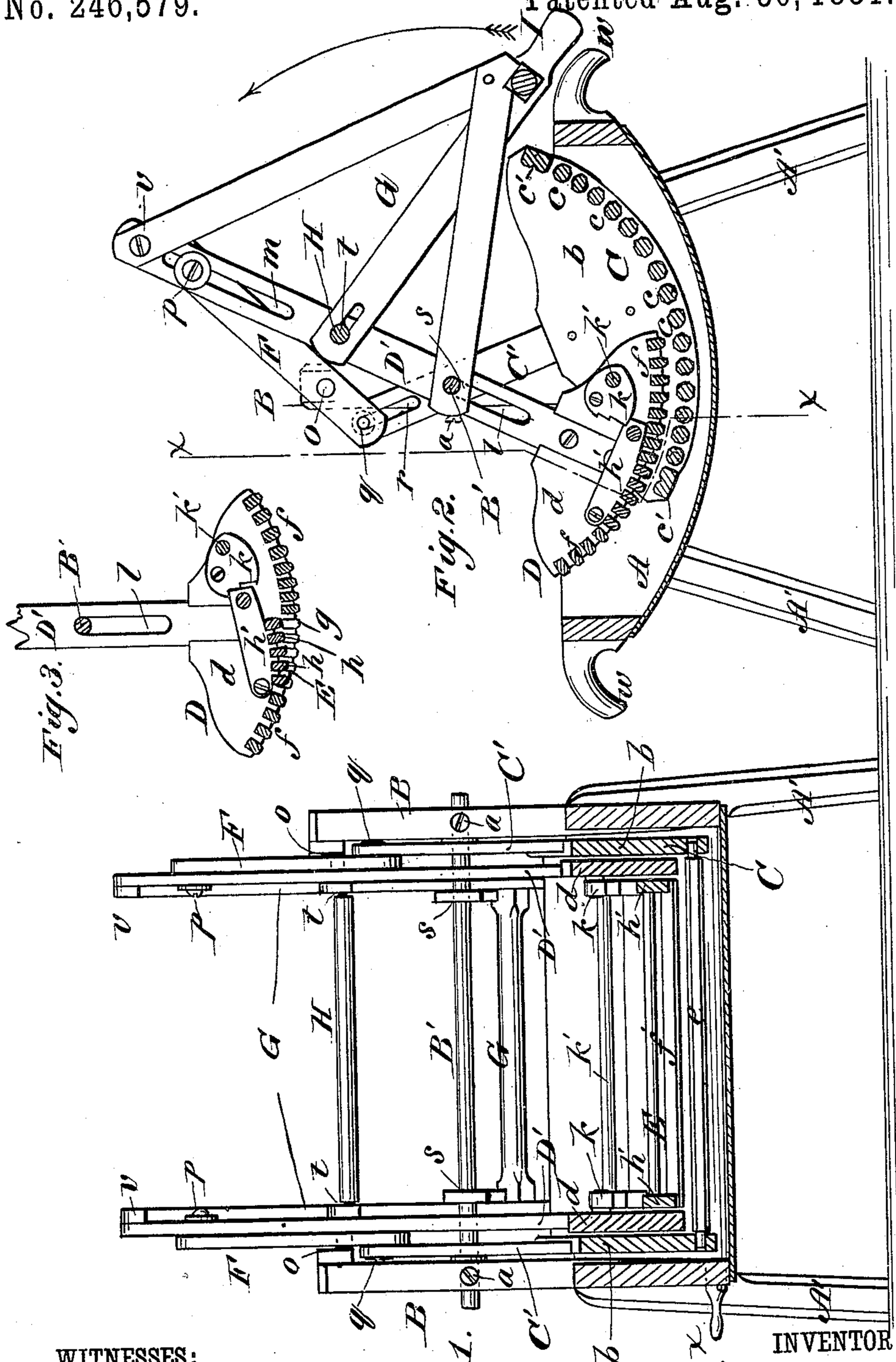

Fig. 1.

Fig. 2.

Fig. 3.

WITNESSES:

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CLOTHES-WASHER.

SPECIFICATION forming part of Letters Patent No. 246,579, dated August 30, 1881.

Application filed June 2, 1881. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM WATLINGTON, Jr., of Stony Point, in the county of Jefferson and State of Indiana, have invented a new and Improved Clothes-Washer, of which the following is a full, clear, and exact description.

The object of this invention is to save time and labor in washing clothes. The means by which I accomplish this object will first be described in connection with the drawings, and then pointed out in the claims.

In the accompanying drawings, Figure 1 is a sectional front elevation of the washer on line *x x*, Fig. 2. Fig. 2 is a sectional side elevation of the same. Fig. 3 is a cross-sectional elevation of a portion of the device, showing the adjustment of the hinged slats in the upper rubber or wash-board.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents the washing tub or trough supported on suitable legs, A′ A′.

Centrally from the opposite sides of the tub A rise the two standards B B, in which is journaled the transverse shaft B′, that is held immovably in place by the set-screws *a a*.

Suspended by its end arms, C′ C′, from the shaft B′ is the lower segmental swinging rubber or wash-board C, having solid ends *b b*, in and between which are pivoted the parallel bars or rolls *c c*, so that they can rotate, when rubbing on the clothes, when the machine is in operation. This wash-board C conforms in shape with the interior of the tub A, and hence preserves its relative position from the bottom thereof during the operation of the machine. The outer parallel cross-bars, *c′ c′*, of the wash-board C hold the ends *b b* together.

Suspended from the same center (the shaft B′) by its end arms, D′ D′, is the upper and smaller segmental swinging wash-board or rubber D, whose solid ends *d d* are held together by fixed parallel slats or bars *f f*, preferably having rounded under edges. In the bottom of this wash-board D is an opening, *g*, which is closed by a door, E, composed of cross-bars *h h* and end pieces, *h′ h′*, and hinged or pivoted on the wash-board ends *d d*, as shown, so that said door E can be opened or closed at will, and said door E is held in either a closed or partly-open position by means of cams *k*, that are pivoted on the wash-board ends *d d*, and are connected so as to move together by a rod, *k′*. The arms D′ D′ of the rubber D are slotted, as shown at *l*, about the shaft B′, to permit the elevation of said rubber D for the introduction of clothes between it and the lower rubber, C. The upper parts of the arms D′ D′ are also slotted, as shown at *m*, and are connected with the arms C′ C′ of the rubber C by means of links F F, that are pivoted on horizontal pins *o*, projecting inward from the tops of the standards B B. Studs *p p*, projecting inward from the upper ends of the links F F, enter the slots *m m* of the arms D′ D′, and studs *q q*, projecting outward from the lower ends of the links F F, enter the slots *r r* in the upper ends of the arms C′ C′, thereby connecting the parts C D, so that they may be simultaneously rocked or reciprocated in opposite directions.

The mechanism for giving motion to the rubbers C D consists of a triangular frame, G, pivoted on the shaft B′, as shown at *s*, on a higher cross-bar, H, extending between the arms D′ D′, as shown at *t*, and rigidly secured to the tops of the arms D′ D′, as shown at *v*. By taking hold of the handles I I of the frame G and moving the latter up and down, the operator gives the suitable rocking motion to the rubbers C D.

Water or soapsuds are put in the tub A, and the clothes to be washed are introduced between the rubbers C D by raising the latter; then when the rubbers C D are in motion the clothes are rolled back and forth between them, and are thereby quickly cleaned. Should any part of a garment require more washing than is necessary for cleaning the other parts of it, such parts—such as shirt-collars, wristbands, &c.—are passed between the slats *h* of the rubber D, whose door E is opened for this purpose, then closed more or less, and held to the garments by cams *k*.

This washer can readily be moved from one place to another by taking hold of its handles *w w*, and its liquid contents can be drawn off by removing the plug *x*.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a clothes-washer, the combination, with

the swinging adjustable wash-board D, provided with opening *g* and door E, of the cams and rod *k k'*, substantially as herein shown and described, whereby said door is held in position, as set forth.

2. In a clothes-washer, the combination, with the swinging wash-boards C D, swinging one within the other, and the common shaft B', of the triangular frame-handle G, slotted arms C' D', links F, and pivots and studs *o p q*, substantially as herein shown and described.

WILLIAM WATLINGTON, JR.

Witnesses:
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